

Title (en)

CIRCUIT COMPRISING MUTUALLY ASYNCHRONOUS CIRCUIT MODULES

Title (de)

SCHALTUNG MIT UNTEREINANDER ASYNCHRONEN SCHALTUNGSMODULEN

Title (fr)

CIRCUIT COMPORTANT DES MODULES DE CIRCUIT MUTUELLEMENT ASYNCHRONES

Publication

EP 1726113 A1 20061129 (EN)

Application

EP 05708846 A 20050225

Priority

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Abstract (en)

[origin: WO2005088889A1] A circuit is described comprising a first (10) and a second circuit module (20) and a synchronization module (30). The first and the second module are mutually asynchronous, and are coupled by the synchronization module. The synchronization module (30) comprises: a transfer register (31) for storing data which is communicated between the two circuit modules, a control circuit (32) for controlling the register in response to a respective timing signal (St1, St2) from the first and the second circuit module, the control circuit comprising a control chain for generating a control signal (CR) for the transfer register (31). The control chain includes at least: a repeater (34) for inducing changes in the value of the control signal, at least one edge sensitive element (35) for delaying a change in the signal value until a transition in a selected one of the timing signals is detected.

IPC 8 full level

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